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SPECIAL DATA COLLECTION SYSTEM (SDCS), EASTERN KAZAKH, SSR, 25 --ETC(U)
APR 78 M S DAWKINS
SDCS-ER-77-135

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F08606-78-C-0007

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SPECIAL DATA COLLECTION SYSTEM (SDCS)
Eastern Kazakh, SSR, 25 April 1977

Michael S. Dawkins

Alexandria Laboratories

Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

April 1978

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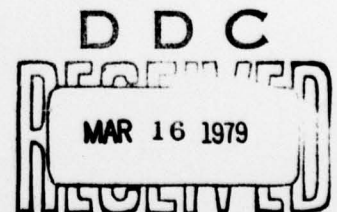
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SDCS Event Report No. 135

Eastern Kazakh, SSR, 25 April 1977

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	"P" Arrival	Origin Time	Latitude	Longitude	m_b	M_s
LASA	04:19:31.0	Not reported	47.5N	078.9E	5.2	N/A
Hagfors	04:14:08.9	04:06:37	48N	081E	5.2	N/A
SDAC/VELA		04:06:59.9	49.8N	078.3E	5.0	N/A

All SDCS stations were operational during this time period. Positive short-period signals were recorded at RK-ON and OB2NV. YF-NV, YF4NV, and HN-ME were negative. Horizontal channels were rotated. Long-period at those stations recording such were negative.

LASA and NORSAR data were recoverable from the SDAC/VELA Network detection processor. Short-period data at both networks were positive; long-period data were negative.

Epicenter information for LASA is from the LASA Data Center Teleseismic Report. Hagfors' is from their bulletin, and the SDAC/VELA data is from their summary.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response).

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DDG	Diff Section <input type="checkbox"/>
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JUSTIFICATION	
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DISTRIBUTION/AVAILABILITY CODES	
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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION	
				SHORT-PERIOD	LONG-PERIOD
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000	KS36000
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
OB2NV	Nevada Test Site	37 13 31.0 N 116 03 28.0 W	1542	18300	N/A
OB3NV	Nevada Test Site	37 13 57.0 N 116 03 15.0 W	1609	18300 (Vert. only)	N/A
YF-NV	Nevada Test Site	37 04 06.0 N 116 00 07.0 W	1271	18300	N/A
YF2NV	Nevada Test Site	37 04 10.0 N 116 00 44.0 W	1260	18300 (Vert. only)	N/A
YF4NV	Nevada Test Site	37 04 29.0 N 116 02 12.0 W	1244	18300	N/A
YF3NV	Nevada Test Site	37 04 22.0 N 116 01 27.0 W	1254	18300 (Vert. only)	N/A
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H

PREDATA -- TRAVEL TIME PREDICTIONS --

25APR INPUT FOR EVENT 25 APR 77
 04:07:00.0 50.000N 78.000E 0KM.

STA.				SURF (CKM.)		DIST		AZI
		TIME		TRAV.TIME		DEG.	KM.	EVT-STA STA-EVT
HFS	P	04 14 07.8		7:07.8		36.74	4084.9551	311.062 76.455
NAO	P	04 14 18.1		7:18.1		37.94	4219.0937	312.739 75.300
RK-ON	P	04 19 06.2		12:06.2		79.29	8816.4062	354.637 5.458
HN-ME	P	04 19 08.9		12:08.9		79.78	8870.9805	336.729 21.519
LAO	P	04 19 29.2		12:29.2		83.62	9298.5273	2.923 357.260
OB2NV	P	04 20 11.1		13:11.1		92.26	10259.4023	11.188 350.975
YF4NV	P	04 20 11.8		13:11.8		92.42	10276.1641	11.195 350.987
YF-NV	P	04 20 11.9		13:11.9		92.43	10277.3516	11.169 351.009

67 HERRIN TRAVEL TIME TABLES

SURF			
	2	.	4
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0	.	.	0
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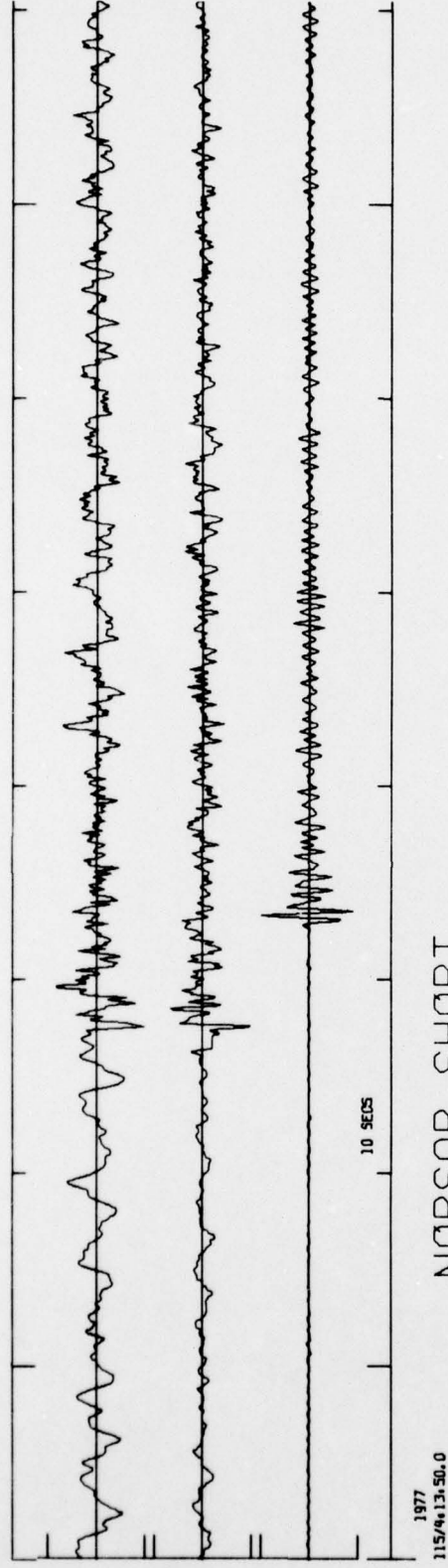
NR0108HN604Z
270.5 MV/UNIT
(NR SP 1)

NR0108HN666Z
445.4 MV/UNIT
(NR SP 2)

NR0108HN752Z
672.9 MV/UNIT
(NR SP 3)



TIME 5.0 SEC/UNIT



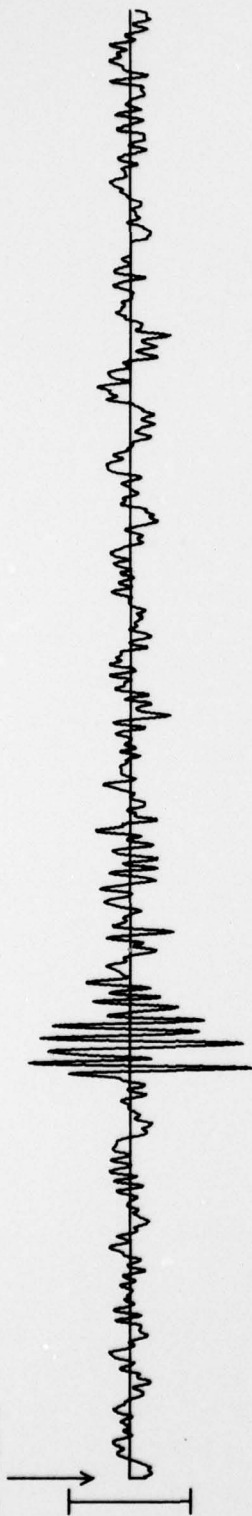
NORSAR SHORT

PERIOD BEAMS

25 APR 77

RK-ON 25 APR 77

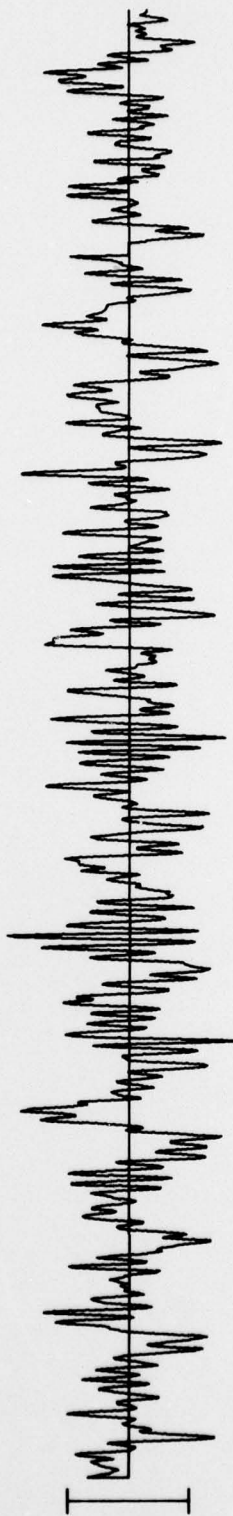
04:18:50.0



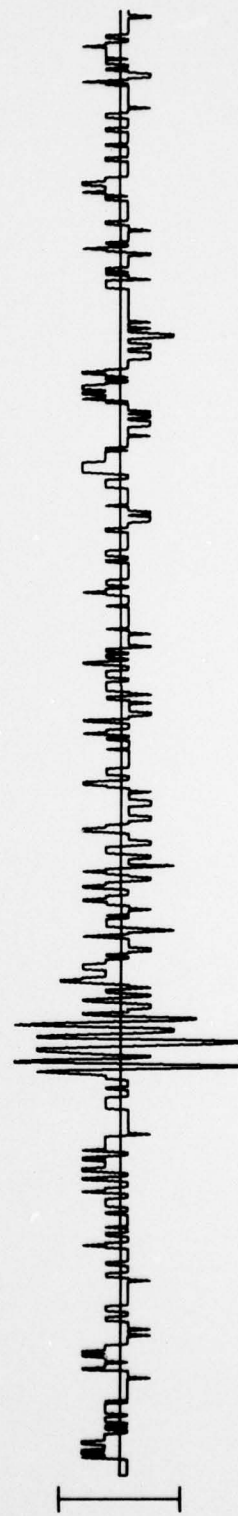
SPZ
21.33 MU



SPR
9.87 MU



SPT
5.89 MU



SPZLO
22.16 MU

10 SEC

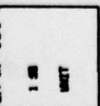
LA010SHQ01U0Z
22.2 MV/UNIT
(LA SP 1)

LA010SHQ02U0Z
33.9 MV/UNIT
(LA SP 10)

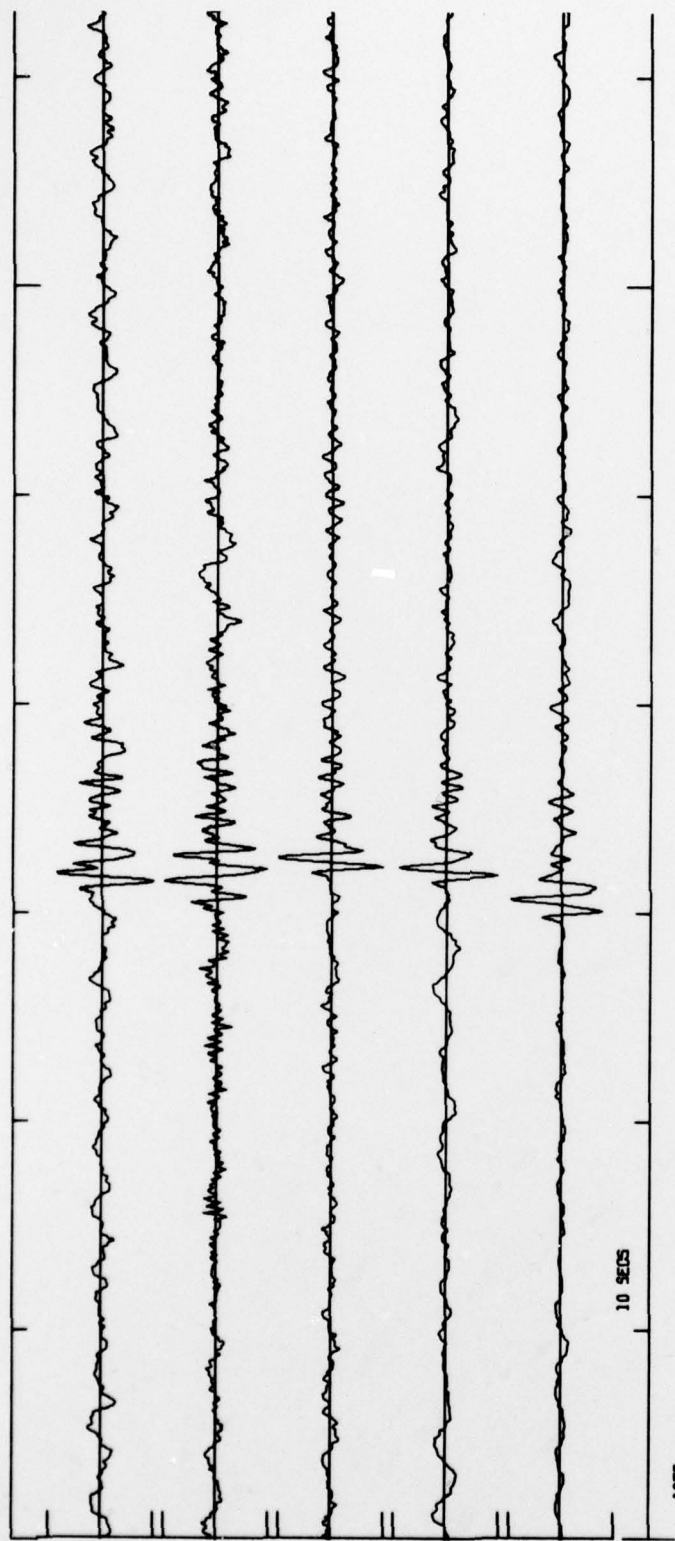
LA010SHQ03U0Z
50.6 MV/UNIT
(LA SP 11)

LA010SHQ04U0Z
87.7 MV/UNIT
(LA SP 12)

LA010SHQ05U0Z
55.7 MV/UNIT
(LA SP 13)



TIME 5.0 SEC/UNIT

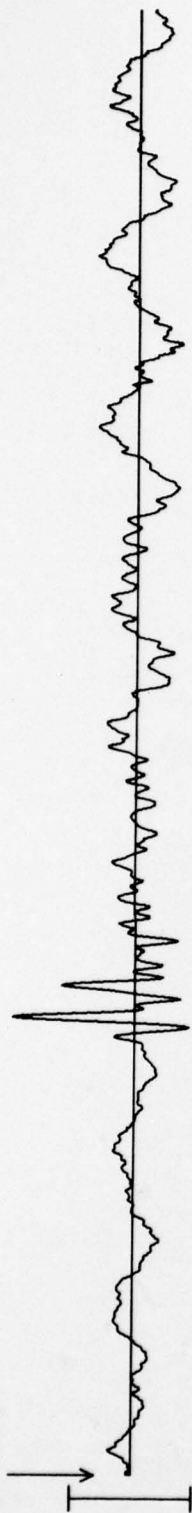


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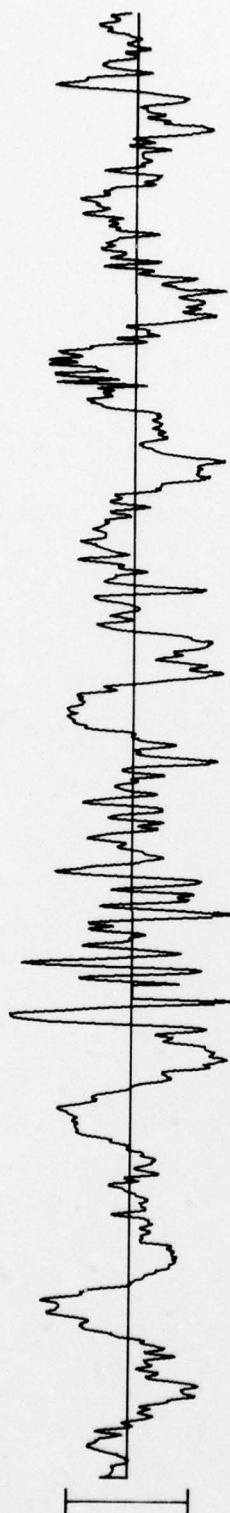
25 APRIL 1977
LASA SHORT PERIOD

OB2NV 25 APR 77

04:19:55.0



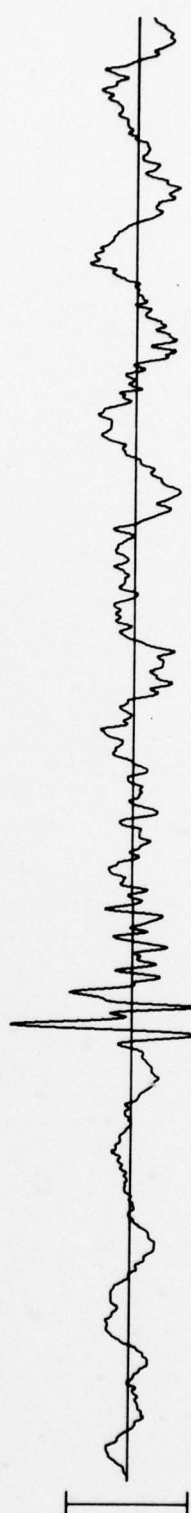
SPZ
11.25 MU



SPR
2.61 MU



SPT
2.75 MU



OB3NV
607.07 MU

10 SEC